Title: Heat Spreading Layers for Vertical Cavity
Surface Emitting Lasers

Aventor: Larry A. Coldren et al. Serial No.: 09/934,791

Page 1 of 4

1/4

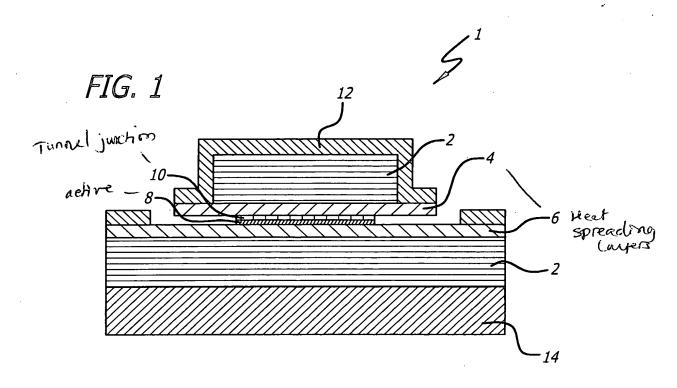


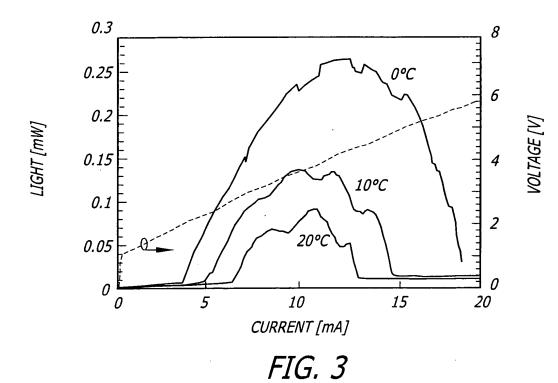
FIG. 2

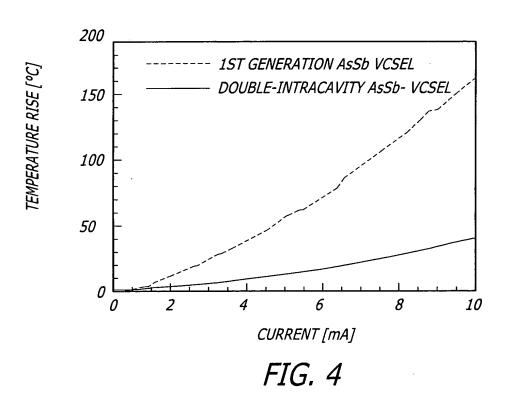
-	THERMAL CONDUCTIVITY [W/K-CM]	MOBILITY [CM ² /V-s]	
•		ELECTRON	HOLE
InP	0.68	4600	150
AlAsSb	0.04	80	
AlGaAsSb	0.03	700	•
GaAs	0.45	8500	400

Title: Heat Spreading Layers for Vertical Cavity
Surface Emitting Lasers
I. Actor: Larry A. Coldren et al.
Serial No.: 09/934,791

Page 2 of 4

2/4





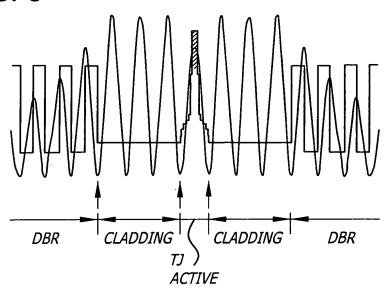
Title: Heat Spreading Layers for Vertical Cavity urface Emitting Lasers

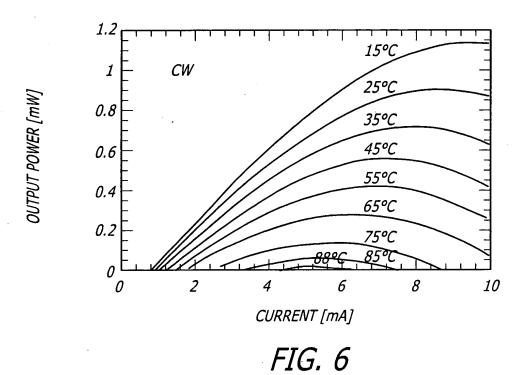
Invenor: Larry A. Coldren et al. Serial No.: 09/934,791

Page 3 of 4

3/4

FIG. 5





Title: Heat Spreading Layers for Vertical Cavity Surface Emitting Lasers mor: Larry A. Coldren et al. Serial No.: 09/934,791 Page 4 of 4 4/4 8 15 μm AIR POST 25 μm AIR POST 6 5 FIG. 7 INTRACAVITY CONTACT: 4 8 μm APERTURE 3 2 12 μm APERTURE 1 0 5 *15 10* 0 CURRENT [mA] 10 8 AIR POST 6 4 FIG. 8 INTRACAVITY CONTACT 2 0 25 *15* 5 *10* APERTURE DIAMETER [μ m] 25°C AIR POST

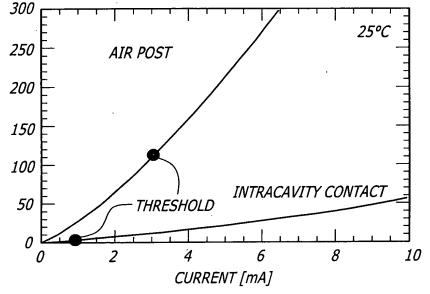


FIG. 9

THERMAL IMPEDANCE [°C/mW]

TEMPERATURE RISE [°C]